**Accessory Valves**

### Unclamp Delay Valve

**Time delays pressure release in a critical circuit while unclamping**

- Adjust the delay to control unclamp timing in single-acting devices. May be used with single or double-acting clamping systems.
- Eliminate workpiece movement, caused by residual pressure when unclamping over a work support.
- Normally open valve (with crossover plate) allows free fluid flow through the valve during clamping, delays release timing during unclamping.
- Conveniently mounts between the Vektex Sequence Valve and the fixture manifold (for sequenced operation downstream) or can be ported with fittings and tubing.
- Stainless steel internal components for superior corrosion resistance.

**Operation:** The VektorFlo® Unclamp Delay Valve operates as a normally open element in a hydraulic clamping system. Low pressure fluid flows freely through the valve to downstream devices. As pressure in the system builds, the mechanical pilot piston moves away from the check valve allowing it to close. Full system pressure is reached and flow in the system stops. If pressure leaks off in downstream devices, the check valve will re-open and replenish pressure. During unclamping, inlet pressure falls with main system pressure but downstream pressure is held constant by the check valve.

### 4 Mounting Options

1. **USE AS STANDALONE VALVE EXTERNALLY PLUMBED**
2. **EXTERNALLY PLUMB TO SEQUENCE VALVE**
3. **USE AS STANDALONE VALVE MANIFOLD-MOUNTED TO FIXTURE USING CROSSOVER PLATE**
4. **USE IN NEW OR EXISTING APPLICATIONS UNDER SEQUENCE VALVE MANIFOLD MOUNTED TO FIXTURE**

### Unclamp Delay Valve

- **Model No.**
  - 47-0431-00
- **Set Pressure Range**
  - 35 to 350 bar
- **Time Delay Preset***
  - 3 to 7 Seconds
- **Filtration Included**
  - Using ISO 32 Fluid
- **Max. Flow**
  - 25 Micron All Ports
  - 11.4 l/min

*Manifold mount O-rings included. Stops with all ports plugged.**

**Duration of time delay may vary depending on the viscosity of oil in the application. If longer delays are required, contact Vektex Customer Support for assistance.**

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For proper sealing, the mating surface must be flat within 0.08 mm with a maximum surface roughness of 1.6 µm Ra.